

(12) UK Patent Application (19) GB (11) 2 299 167 (13) A

(43) Date of Printing by UK Office 25.09.1996

(21) Application No 9812640.4

(22) Date of Filing 21.12.1994

(30) Priority Data

(31) 934816

(32) 27.12.1993

(33) NO

(86) International Application Data

PCT/NO94/00209 En 21.12.1994

(87) International Publication Data

WO95/18366 En 06.07.1995

(71) Applicant(s)

Bjorn Dybdahl

Lillesund Terrasse 4D, N-5500 Haugesund, Norway

(72) Inventor(s)

Bjorn Dybdahl

(74) Agent and/or Address for Service

Stephenson Harwood

One, St. Paul's Churchyard, LONDON, EC4M 8SH,

United Kingdom

(51) INT CL⁶

G01N 1/20 1/28

(52) UK CL (Edition O)

G1B BCE BCH

(56) Documents Cited by ISA

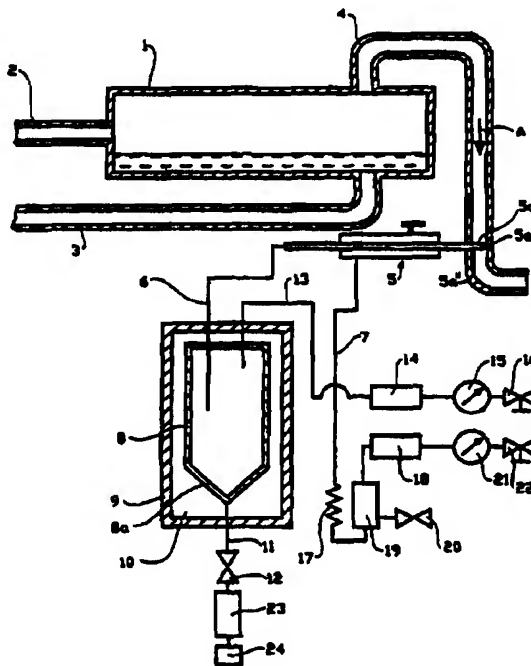
WO 93/02345 A1 NO 000176820 B

(58) Field of Search by ISA

INT CL⁶ G01N 1/20 1/28

(54) Method and apparatus for isokinetic fluid sampling

(57) The invention relates to a method for the treatment and analysis of isokinetic fluid samples, for, on the basis of the analysis, to optimize the fluid's speed of flow through a separator (1) for a multiphase fluid consisting of e.g. oil/gas/water, where the gas constituent may contain entrained liquid drops/droplets/particles; it being not desired that gas leaving the separator (1) should contain such entrained liquid. Thus, in order to provide a parameter, upon the basis of which the fluid's speed of flow through the separator can be regulated, the separated gas constituent including possibly entrained liquid drops/droplets/particles is subjected to a temperature/pressure treatment, causing said liquid drops/droplets/particles to evaporate/condense, the resultant gas/steam mixture respectively liquid phase is subjected to a density measurement for subsequent analysis. Regulating said separator's speed of flow while fluid samples are density-tested until a low density value has been achieved, one has produced an optimum speed of flow, corresponding to maximum utilization of the separator. The apparatus comprises a container (8) which is heatable/coolable, for thus to cause liquid drops/droplets/particles entrained in the gas constituent to evaporate respectively condense, the container (8) through a discharge line (13) being coupled to a density measuring device (14 respectively 23).



GB 2 299 167 A